

JPEO-CBD



Joint Program For Collective Protection Advanced Planning Briefing to Industry

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- **Introduction**
- **ColPro Functions**
- **Industrial Focus Areas**
- **Current Programs**
- **Business Opportunity**
- **Summary**
- **Points of Contact**

What is Collective Protection (ColPro)?

- **Protection to Mission Essential Resources Afforded to Enclosed Areas/ Zones Allowing a Force Structure to Operate Safely, at Near-normal Levels While in a Chemical, Biological, Radiological and Nuclear Environment.**
- **Essential Resources Include Existing and Future**
 - Mobile Assets (Vehicles, Ships, Aircraft)
 - Transportable Assets (Tents)
 - Fixed Facilities (Buildings)

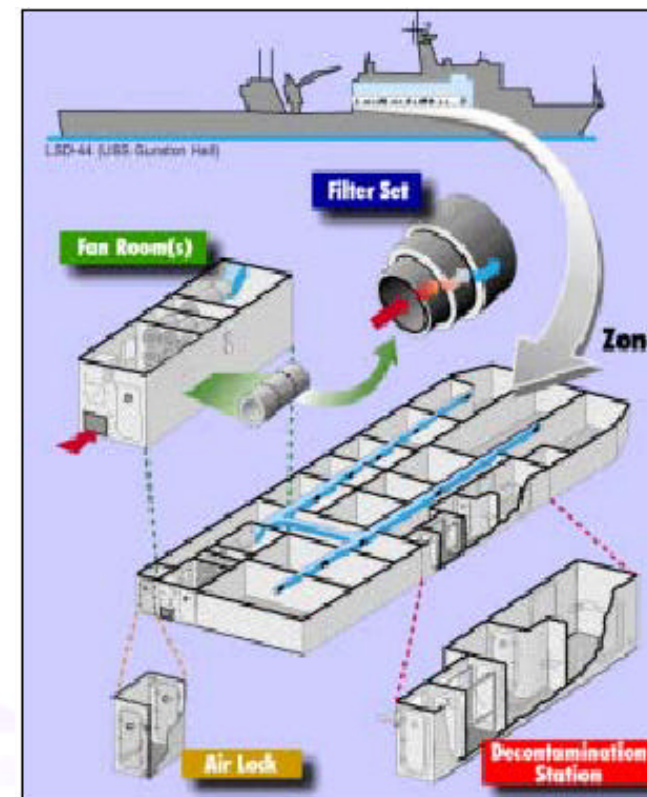
ColPro Functions for the Warfighter



- **Control of an Area/ Zone Environment To:**
 - Prevent Infiltration of CBRN Hazards
 - Supply Clean, Breathable Air
 - Allow Ingress/egress Without Compromising the Protected Area/ Zone
- **Typical Applications**
 - Mission Critical Spaces
 - Command/ Control Areas
 - Medical Areas
 - Rest/ Relief Areas

- **Multiple Sources/ Vendors for CP Equipment**
- **Protection Against Toxic Industrial Chemical (TICs)**
- **Reduce Size and Weight of Systems/ Components**
- **Reduce Logistical Footprint**
- **Modular Components for Flexible Integration**

- Amphibious Ship ColPro Backfit
- Chem/ Bio Protective Shelter
- Joint Collective Protection Equipment
- Joint Expeditionary Collective Protection
 - Milestone A - 1QFY05



- **COLPRO Technology Readiness Evaluations (TRE) Mid FY05**
 - Standardized tests, evaluations, and TR level assessments
- **Technology Areas of Interest**
 - **Air purification**
 - Increased Protection Against TICs And Novel Agents
 - Reduced Power, Footprint, and Logistics
 - Increased Service Life
 - Reduced Costs
 - **Residual Filter Life Indicator**
 - **CB Shelter**
 - Alternate Liner Material
 - Soft Shelter Material With Inherent CB Protection

- **Chem/Bio Protective Shelter**
 - **Procurement against performance based specification**
~600 systems
 - **Draft Request For Proposal** **1QFY05**
 - **Final Request For Proposal** **2QFY05**
 - **Award Contract** **1QFY06**





Joint Expeditionary Collective Protection

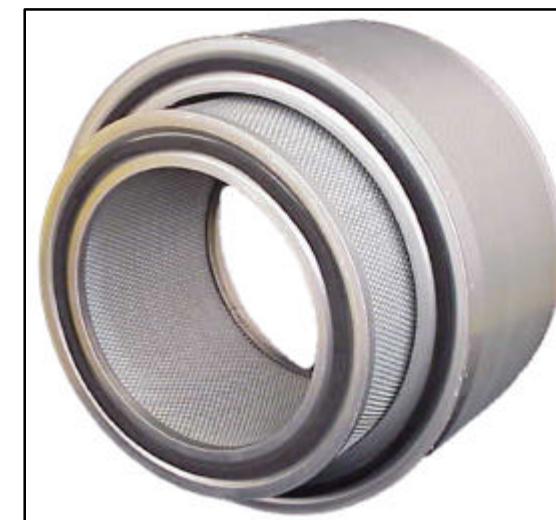
- **CDD Under Development** **2/3QFY05**
- **Capabilities**
 - **Soft Shelters initiation** **2QFY06**
 - Soft shelter kits with reduced install/strike time
 - Soft shelter with inherent CB protection
 - **Structure/fixed site** **2QFY06**
 - Modular filter kits with simplified integration
 - Regenerative Filtration
 - **Mobile platforms** **2QFY08**



PM Guardian Support

- **Equipment Procurement**
 - CP Filters
 - CP Filter Housing Units
 - Environmental Control Units
- **Engineering/installation Required**
 - Facility – A&E Design
 - Construction
 - HVAC Testing and Balancing

- **Multiple Sources for CP Components**
- **New Multi-Year Production Contract for CBPS Production**
- **Novel Technologies to Support JECP**
 - Abatement for CB Agents and TICs
 - CB Inherent Soft Shelter Material
 - Modular CP Components for Simplified Integration





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